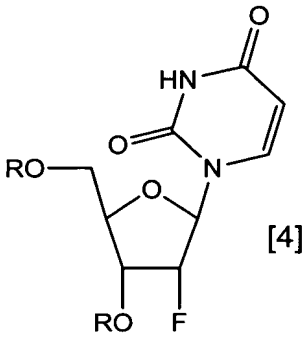
Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

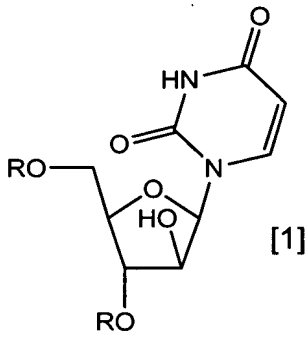
Listing of Claims:

1. (Currently amended) A process for producing 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form, represented by the formula [4],



[4]

~~[in the formula,~~ wherein R represents a protecting group of hydroxyl group ~~]~~ by reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by the formula [1],

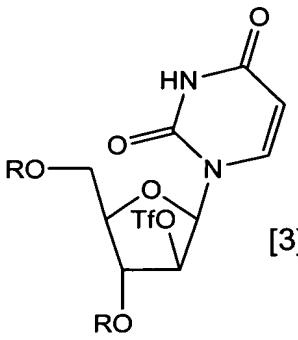


[1]

~~[in the formula,~~ wherein R represents a protecting group of hydroxyl group ~~]~~ with a trifluoromethanesulfonylating agent represented by the formula [2],

CF_3SO_2X [2]

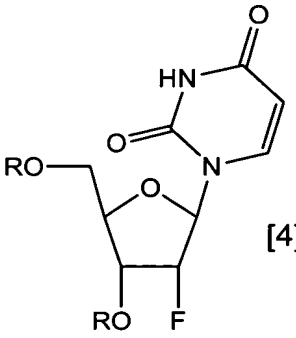
~~[in the formula,~~ wherein X represents a F atom, Cl atom or CF_3SO_3 group ~~]~~, in the presence of an organic base, to convert it to a 2'-triflate form represented by the formula [3],



[3]

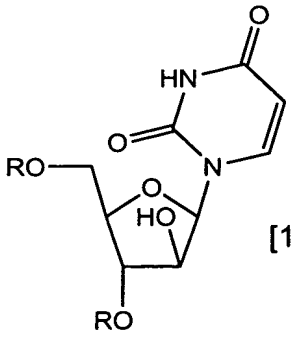
~~[in the formula,~~ wherein R represents a protecting group of hydroxyl group, and Tf represents a CF_3SO_2 group ~~]~~ , followed by reacting with a fluorinating agent comprising **[["]]** a salt or complex comprising an organic base and hydrofluoric acid **[["]]** .

2. (Currently amended) A process for producing 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form, represented by the formula [4],



[4]

~~[in the formula,~~ R represents a protecting group of hydroxyl group ~~]~~ by reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by the formula [1],

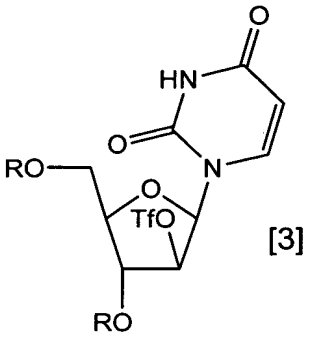


[1]

~~[in the formula,~~ wherein R represents a protecting group of hydroxyl group ~~]~~ with a trifluoromethanesulfonylating agent represented by the formula [5],

CF_3SO_2F [5]

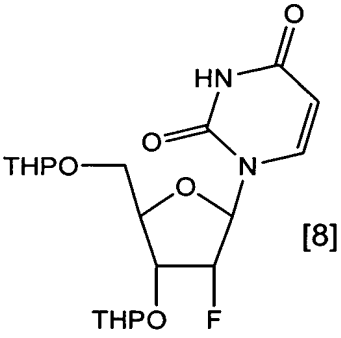
in the presence of triethylamine, to convert it to a 2'-triflate form represented by the formula [3],



[3]

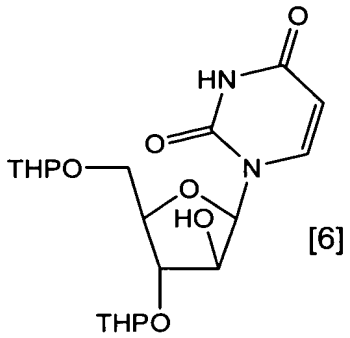
~~[in the formula,~~ wherein R represents a protecting group of hydroxyl group, and Tf represents a CF_3SO_2 group ~~]~~ , followed by reacting with a fluorinating agent comprising **[["]]** a salt or complex comprising triethylamine and hydrofluoric acid **[["]]** .

3. (Currently amended) A process for producing 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form, represented by the formula [8],



[8]

~~[in the formula,~~ wherein THP represents a tetrahydropyranyl group ~~]~~ by reacting 1-β-D-arabinofuranosyluracil in 3',5'-hydroxyl-protected form, represented by the formula [6],

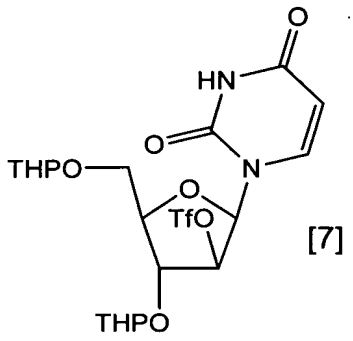


[6]

~~[in the formula,~~ wherein THP represents a tetrahydropyranyl group ~~]~~ with a trifluoromethanesulfonylating agent represented by the formula [5],

CF_3SO_2F [5]

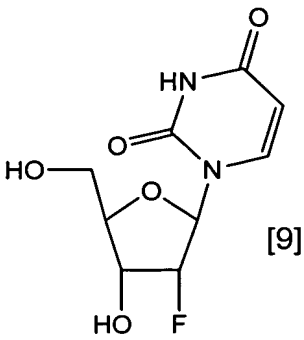
in the presence of triethylamine, to convert it to a 2'-triflate form represented by the formula [7],



[7]

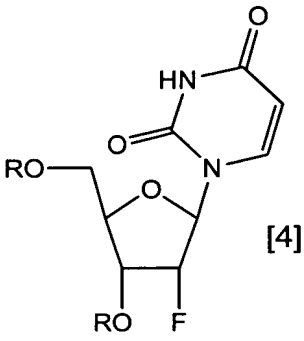
~~[in the formula,~~ wherein THP represents a tetrahydropyranyl group, and Tf represents a CF_3SO_2 group ~~]~~, followed by reacting with a fluorinating agent comprising **[["]]** a salt or complex comprising triethylamine and hydrofluoric acid **[["]]**.

4. (Currently amended) A process for producing 2'-deoxy-2'-fluorouridine represented by the formula [9],



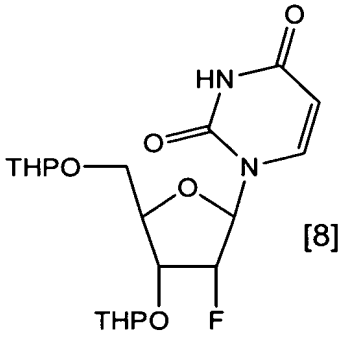
[9]

by reacting 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form represented by the formula [4],



[4]

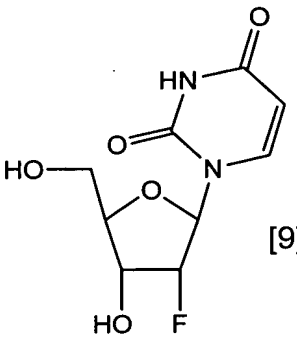
~~[in the formula,~~ wherein R represents a protecting group of hydroxyl group ~~]~~ or 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form represented by the formula [8],



[8]

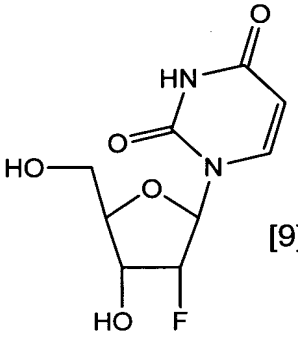
~~[in the formula,~~ wherein THP represents a tetrahydropyranyl group ~~]~~ , which has been produced by ~~any~~ the process of claim 1, ~~claim 2 and claim 3,~~ with a deprotecting agent.

5. (Currently amended) A process for purifying 2'-deoxy-2'-fluorouridine represented by the formula [9],



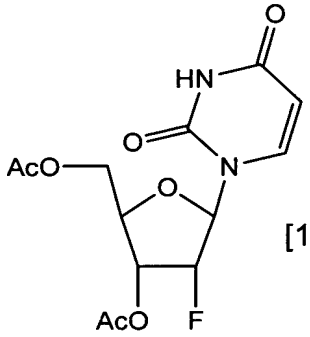
[9]

comprising reacting 2'-deoxy-2'-fluorouridine represented by the formula [9],



[9]

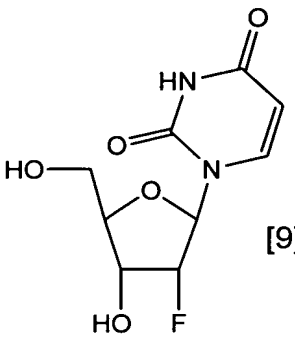
with an acetylating agent in the presence of an organic base, to convert it to 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form represented by the formula [10],



[10]

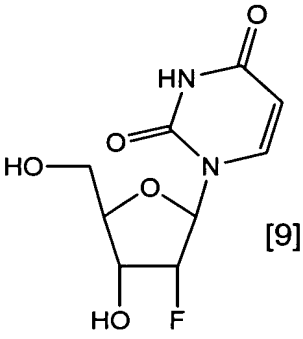
~~[in the formula,~~ wherein Ac represents an acetyl group ~~]~~ , followed by a recrystallization purification of the 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form and then reacting with a deacetylating agent.

6. (Currently amended) A process for purifying 2'-deoxy-2'-fluorouridine represented by the formula [9],



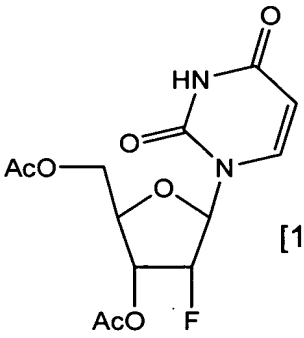
[9]

comprising reacting 2'-deoxy-2'-fluorouridine, which has been produced by the process of claim 4 and is represented by the formula [9],



[9]

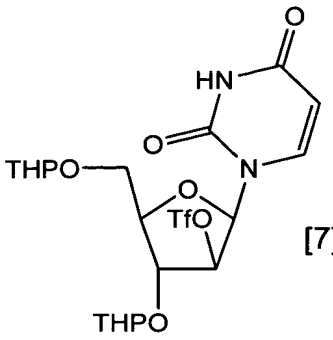
with an acetylating agent in the presence of an organic base, to convert it to 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form represented by the formula [10],



[10]

~~[in the formula,~~ wherein Ac represents an acetyl group —|— , followed by a recrystallization purification of the 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form and then reacting with a deacetylating agent.

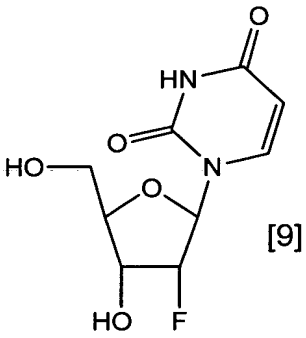
7. (Currently amended) A 2'-triflate form represented by the formula [7],



[7]

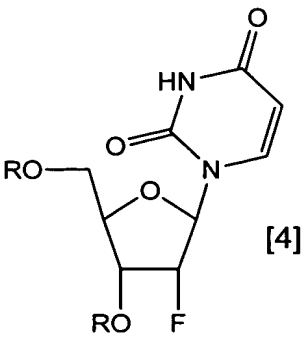
~~[in the formula,~~ wherein THP represents a tetrahydropyranyl group, and Tf represents a CF_3SO_2 group ~~]~~.

8. (New) A process for producing 2'-deoxy-2'-fluorouridine represented by the formula [9],



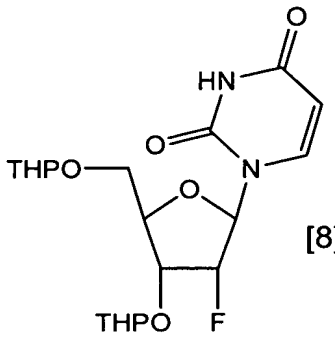
[9]

by reacting 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form represented by the formula [4],



[4]

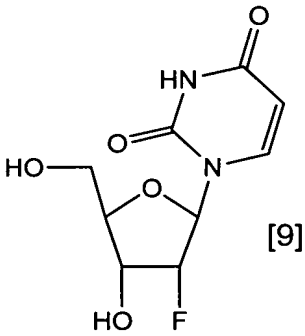
wherein R represents a protecting group of hydroxyl group or 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form represented by the formula [8],



[8]

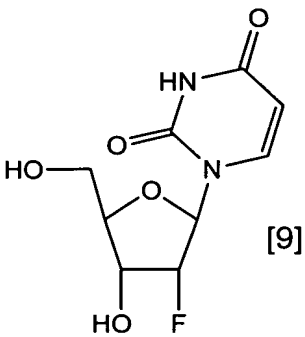
wherein THP represents a tetrahydropyranyl group, which has been produced by the process of claim 2, with a deprotecting agent.

9. (New) A process for purifying 2'-deoxy-2'-fluorouridine represented by the formula [9],



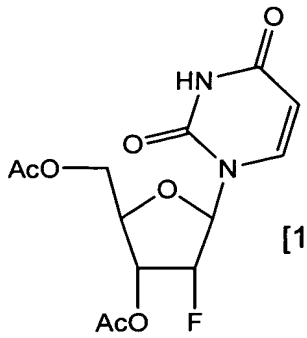
[9]

comprising reacting 2'-deoxy-2'-fluorouridine, which has been produced by the process of claim 8 and is represented by the formula [9],



[9]

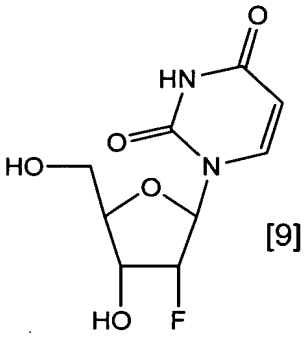
with an acetylating agent in the presence of an organic base, to convert it to 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form represented by the formula [10],



[10]

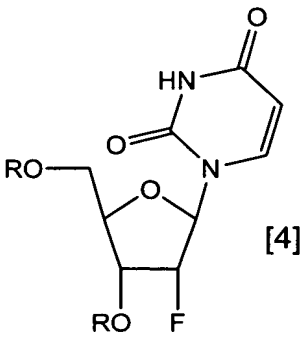
wherein Ac represents an acetyl group, followed by a recrystallization purification of the 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form and then reacting with a deacetylating agent.

10. (New) A process for producing 2'-deoxy-2'-fluorouridine represented by the formula [9],



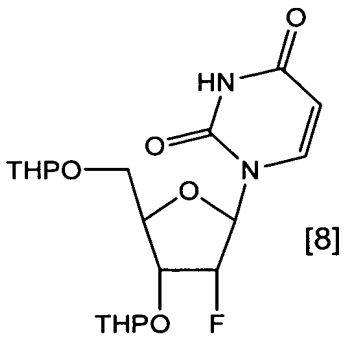
[9]

by reacting 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form represented by the formula [4],



[4]

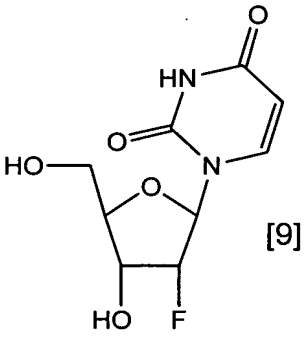
wherein R represents a protecting group of hydroxyl group or 2'-deoxy-2'-fluorouridine in 3',5'-hydroxyl-protected form represented by the formula [8],



[8]

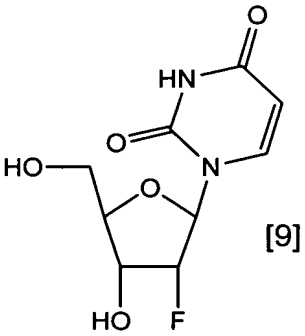
wherein THP represents a tetrahydropyranyl group, which has been produced by the process of claim 3, with a deprotecting agent.

11. (New) A process for purifying 2'-deoxy-2'-fluorouridine represented by the formula [9],



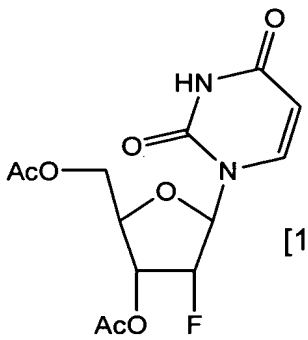
[9]

comprising reacting 2'-deoxy-2'-fluorouridine, which has been produced by the process of claim 10 and is represented by the formula [9],



[9]

with an acetylating agent in the presence of an organic base, to convert it to 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form represented by the formula [10],



[10]

wherein Ac represents an acetyl group, followed by a recrystallization purification of the 2'-deoxy-2'-fluorouridine in 3',5'-diacetylated form and then reacting with a deacetylating agent.